AMENDMENTS TO THE SPECIFICATION

At page 11, lines 14-17, please delete the entire paragraph and insert therefor the following paragraph:

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--Figure 9 demonstrates *PTTG* mRNA expression and hydrocortisone. PHA (5 μg/mL)-stimulated normal adult human T-cells were treated with hydrocortisone for 72 hours. *PTTG* mRNA of the T-cells was measured with northern blotting and percentage of the T-cells in S or G2/M phase was determined by FACS.--.

At page 11, lines 18-20, please delete the entire paragraph and insert therefor the following paragraph:



--Figure 10 shows *PTTG* mRNA expression and cyclosporin. PHA (5 θμg/ml)-stimulated normal adult human T-cells were treated with cyclosporin for 72 h. <u>PTTGPTTG</u> mRNA of the T-cells was measured with northern blotting and percentage of the T-cells in S or G2/M phase was determined by FACS.--.

At page 11, lines 21-23, please delete the entire paragraph and insert therefor the following paragraph:



--Figure 11 illustrates *PTTG* mRNA expression in leukemia cells. *_PTTG* mRNA values and cell cycle of cycling human leukemia HL-60 (<u>column</u> 1), Jurkat T cells (<u>column</u> 2), resting <u>cells</u> (<u>column</u> 3), PHA (5 <u>θμg/mL</u>)-stimulated, (<u>column</u> 4) anti-CD3-stimulated, and (<u>column</u> 5) normal adult human T cells were determined.--.

At page 11, lines 24-28, please delete the entire paragraph and insert therefor the following paragraph:

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--Figure 12 shows PTTG mRNA expression and cell cycle in T_cells. T_cells were treated with the following conditions and PTTG mRNA and percentage of S phase were compared. (column 1) resting T_cells; (column 2) PHA (5 µg/mL)-stimulated T_cells; (column 3) anti-CD3-stimulated T_cells; (column 4) anti-CD3 + hydrocortisone (100 nM)-treated T_cells; (column 5) anti-CD3 + cyclosporine A (1 µg/mL)-treated T_cells; (column 6) anti-CD3 + aphidicolin (1 µg/mL)-treated T_cells; (column 7) anti-CD3 + nocodazole (500 ng/mL)-treated T_cells; (column 8) anti-CD3 + TGF-β1 (10 ng/mL)-treated T_cells.--.

At page 11, line 29 through page 12, line 4, please delete the entire bridging paragraph and insert therefor the following paragraph:



--Figure 13 shows PTTG mRNA expression in human Jurkat T_cell leukemia line. Jurkat T_cells were treated as described below. (column 1) Jurkat cells kept for 48 h in 1% FBS-supplemented culture medium; (column 2) Jurkat cells after medium change for fresh 1% FBS-supplemented; (column 3) Jurkat cells after medium change for 10% FBS-supplemented; (column 4) Jurkat cells after medium change with phytohemagglutinin (PHA; 1 µg/mL) + phorbol-12-meristate-13-acetate (PMA; 50 ng/mL) in 1% FBS; (column 5) Jurkat cells after medium change with (PHA + PMA) + cyclosporine A (1 µg/mL); (column 6) Jurkat cells after medium change with (PHA + PMA) + TGF-β1 (10 ng/mL).--.

At page 82, line 27 through page 83, line 9, please delete the entire bridging paragraph and insert therefor the following paragraph:

--We found that CD3 antibody-induced activation of T-cells was inhibited to different extents by cyclosporin A, hydrocortisone, aphidicolin (S phase inhibitor), or nocodazole (G2/M phase blocker), while TGF-β1 (10 ng/mL final concn) had no significant effect neither on PTTG mRNA nor on the amount of S- or G2/M-phase cells (Figure 12). At the same time, neither fresh 10% FBS nor a mixture of phytohemagglutinin (PHA) and phorbol-12-meristate-13-acetate (PMA) [i.e., PHA+PMA mixture] considerably elevated PTTG level in Jurkat T-cell line and this mixture even decreased it. Jurkat cells were used for comparison and they were treated with PHA+PMA mixture which is used for its mitogenic action for Jurkat T-cells after being cultured for 48 hours in 1% FBS-supplemented medium. Changes in the amount of S-phase cells were also parallel to changes in the level of PTTG mRNA expression. Cyclosporin A and TGF-\(\beta\)1 decreased both PTTG mRNA level and the amount of S-phase Jurkat cells, while hydrocortisone did not change these indexes even used in 10 µM final concentration (data are not shown).--.

At page 84, lines 7-11, please delete the entire paragraph and insert therefor the following paragraph:

--While the present invention is not committed to or dependent any particular mechanism of action, PTTG mRNA induction and parallel S-phase increase during normal T-cell activation imply that the mechanism of PTTG cell transforming action could be in its overexpression and resulting increase in cell cycling rather than in its misregulating effect on ehromatide chromatid separation and resulting aneuploidy.--.

